

Title (en)

Electrical connector assembly.

Title (de)

Elektrische Verbindseranordnung.

Title (fr)

Assemblage de connecteur électrique.

Publication

EP 0668632 A2 19950823 (EN)

Application

EP 95200128 A 19950119

Priority

US 19991994 A 19940222

Abstract (en)

An electrical connection arrangement (10) comprises a heat sink (14) having a projecting terminal post (50) provided with a stepped opening (26) therein for receiving both a terminal (70) and a connector body (27) of an electrical high current cable assembly (20). In addition, the terminal post (50) is constructed with intersecting slots (48,50) and the connector body (27) of the electrical connector assembly has nibs (100) connected thereto which are received in one of the slots. If the connector assembly (20) is properly mated to the heat sink (14), a U-shaped clip (30) can be snap fittingly connected to the connector body (27) by passing through the other of the slots (52). If it is not properly mated, the clip (80) engages the nibs (100) and cannot be connected to the connector body (27). The clip (30) serves the dual purpose of connecting an electrical cable assembly (20) to the heat sink (14) and serves as a connector position assurance (CPA). <IMAGE>

IPC 1-7

H01R 15/12

IPC 8 full level

H01R 13/639 (2006.01)

CPC (source: EP)

H01R 13/639 (2013.01); **H01R 24/76** (2013.01); **H01R 13/6277** (2013.01); **H01R 2101/00** (2013.01)

Cited by

EP1732177A1; FR2785458A1; CN108886213A; US10535940B2; DE102022128013A1; WO2024088742A1; BE1030988A1; EP3433904B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0668632 A2 19950823; EP 0668632 A3 19970716

DOCDB simple family (application)

EP 95200128 A 19950119